

Q1. (2017)

26(a)	B	B1	
	Additional Guidance		

Q2. (2017)

26(b)	P	B1	
	Additional Guidance		

Q3. (2020)

Q	Answer	Mark	Comments
24(b)	$y = -x$	B1	
	Additional Guidance		

Q4. (2021)

Q	Answer	Mark	Comments
8	Enlargement	B1	
	$\frac{1}{4}$	B1	scale factor oe eg 0.25
	(3, 9) or A	B1	centre do not allow $\begin{pmatrix} 3 \\ 9 \end{pmatrix}$
	Additional Guidance		
	Do not accept reduction or unenlargement or negative		1st B0
	Do not accept $\div 4$		2nd B0
	A combination of transformations cannot score the first B1 eg1 Enlarge sf $\frac{1}{4}$ Translate $\begin{pmatrix} 0 \\ 6 \end{pmatrix}$		B0B1B0
	eg2 Enlarge sf $\frac{1}{4}$ 1.5 right up 6 (3, 9)		B0B1B1
	Do not allow $\begin{pmatrix} 3 \\ 9 \end{pmatrix}$ for (3, 9) but do not regard as implying a combination of transformations eg Enlargement sf 0.25 $\begin{pmatrix} 3 \\ 9 \end{pmatrix}$		B1B1B0
	Enlargement, sf 4 about (3, 9)		B1B0B1
	Enlarge(d) 0.25 A		B1B1B1
	Condone ABC is an enlargement of ADE		1st B1
	Condone enlargement with other words unless referring to another transformation eg1 Enlargement making shapes bigger eg2 Enlarged then moved using a vector eg3 Enlarged which means B moves to D and C moves to E		1st B1 1st B0 1st B1
	If more than one point is listed it must be clear which point is their centre eg (1, 1) (5, 1) (3, 9) (2, 7)		3rd B0
	Reflected in the point (3, 9)		B0B0B1

Q5. (2023)

Q	Answer	Mark	Comments
12	$8 \div 5$ or $19.2 \div 12$ or $\frac{8}{5}$ or $\frac{19.2}{12}$ or 1.6 or $12 \div 5$ or $19.2 \div 8$ or $\frac{12}{5}$ or $\frac{19.2}{8}$ or 2.4	M1	oe use of a valid pair of sides to make an appropriate calculation or value eg $5 \div 8$ or 0.625 or $5 \div 12$ or [0.416, 0.417]
	$8 \div 5 = 19.2 \div 12$ or $\frac{8}{5} = \frac{19.2}{12}$ or $12 \div 5 = 19.2 \div 8$ or $\frac{12}{5} = \frac{19.2}{8}$	A1	oe showing sides are in proportion eg $5 \div 8 = 12 \div 19.2$ or $\frac{5}{12} = \frac{8}{19.2}$
	Additional Guidance		
	For A1 equating may be implied by two calculations or two fractions with correct evaluation eg $8 \div 5 = 19.2 \div 12$ is implied by $8 = 5 \times 1.6$ and $19.2 = 12 \times 1.6$		M1A1
	For A1 equating may be implied by calculations eg1 $8 \div 5 = 19.2 \div 12$ is implied by $8 \div 5 = 1.6$ and $12 \times 1.6 = 19.2$ eg2 $8 \div 5 = 19.2 \div 12$ is implied by $\frac{8}{5} \times 12 = 19.2$		M1A1 M1A1
	$5 \times 19.2 = 8 \times 12$		M1A1
	$5 \times 19.2 = 96$ and $8 \times 12 = 96$		M1A1
	Non-contradictory working can be ignored eg correct response along with area calculations		M1A1
	Ignore words eg references to scale factors, enlargement, angles		
	Working on diagrams may be seen eg1 Arrows or lines from 5 to 8 and 12 to 19.2 with $\times 1.6$ on them eg2 Arrows or lines from 5 to 8 and 12 to 19.2 with 1.6 on them Arrows or lines must unambiguously link relevant numbers		M1A1 M1A0
	For $8 \div 5$ or $\frac{8}{5}$ allow $8 : 5$ etc		